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REPORT of the Local Board of Health



THE CITY OF EDMONTON
ALBERTA

1949

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BOARD OF HEALTH, 1949

Dr. G. H. Brown, Chairman
 Dr. R. M. Shaw Ald. G. E. Gleave Dr. D. R. Easton
 Ald. H. E. Tanner
 Dr. G. H. Brown, Edmonton Public School Board
 Mr. J. A. Gallant, Separate School Board

EX-OFFICIO MEMBERS

Mayor H. D. Ainlay
 Dr. G. M. Little, M.O.H. Mr. A. W. Haddow, City Engineer
 Catharine R. Rose, Secretary

BOARD OF HEALTH, 1950

Dr. R. M. Shaw, Chairman
 Dr. R. M. Shaw, Ald. F. A. Ford, Ald. E. I. Clarke
 Dr. G. H. Brown, Edmonton Public School Board
 Mr. J. A. Gallant, Separate School Board

EX-OFFICIO MEMBERS

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 Dr. G. M. Little, M.O.H. Mr. A. W. Haddow, City Engineer
 Catharine R. Rose, Secretary

STAFF

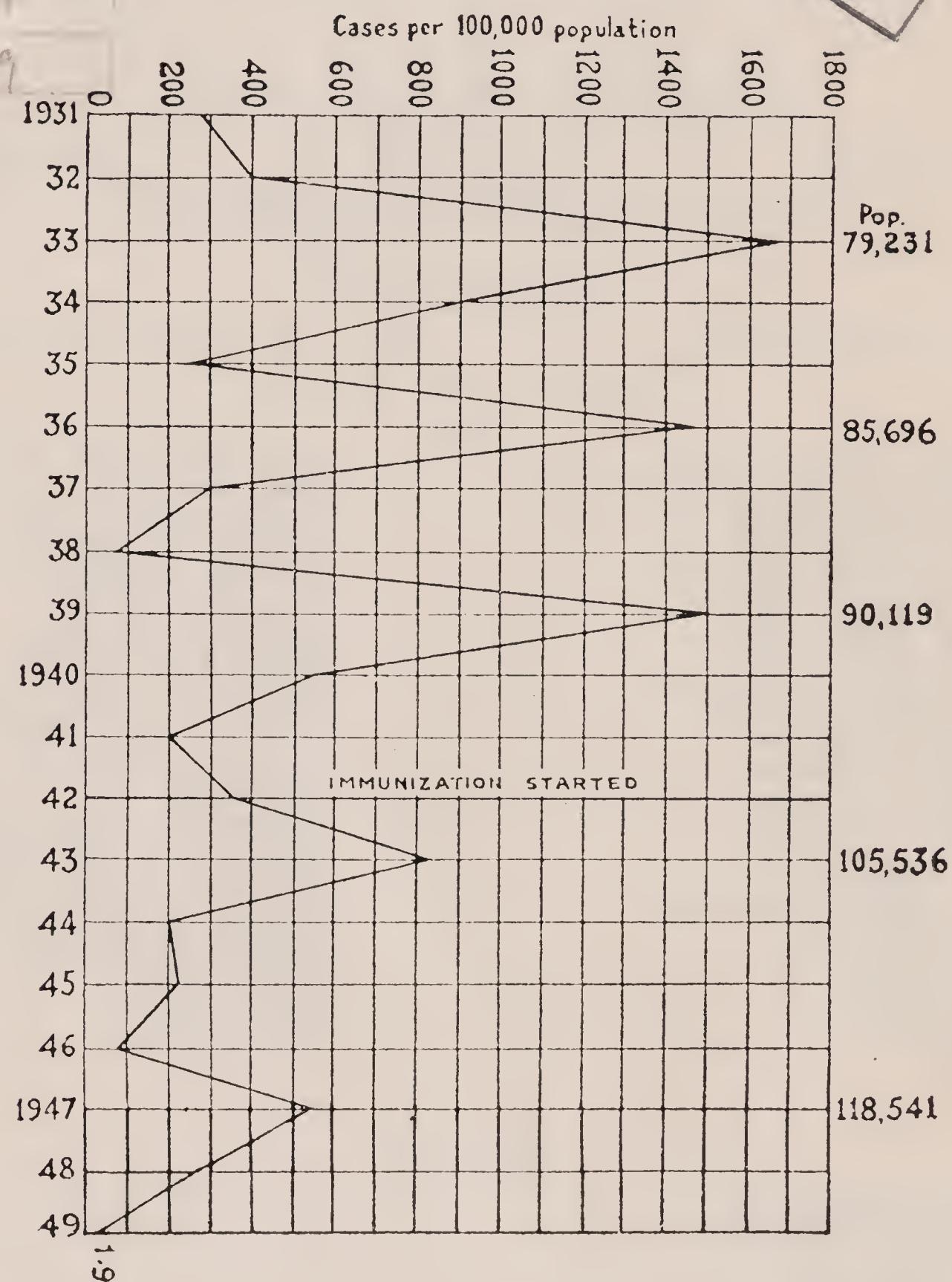
| | |
|---------------------------------|-------------------------------|
| Medical Officer of Health..... | G. M. Little, M.D., D.P.H. |
| Secretary, Board of Health..... | Rose, Miss C. R. |
| Public Health Nurse, Sr..... | Griffith, Miss M., R.N. |
| Public Health Nurse, Sr..... | Christensen, Miss S. C., R.N. |
| Public Health Nurse, Sr..... | Thompson, Miss M. E., R.N. |
| Public Health Nurse..... | Lea, Miss T., R.N. |
| Public Health Nurse..... | Lesik, Mrs. R., R.N. |
| Public Health Nurse..... | Keeler, Mrs. J., R.N. |
| Chief Sanitary Inspector..... | Alexander, L. G., C.I.S. (C.) |
| Sr. Sanitary Inspector..... | Chase, H. G., C.I.S. (C.) |
| Sanitary Inspector..... | Hill, G. B., C.I.S. (C.) |
| Sanitary Inspector..... | Kent, Wm., C.I.S. (C.) |
| Sanitary Inspector..... | Kyle, R. S. |
| Sanitary Inspector..... | Overton, L. B., C.I.S. (C.) |
| Sanitary Inspector..... | Powell, E. C., C.I.S. (C.) |
| Meat Inspector..... | Morrison, Dr. D. M., V.S. |
| Milk and Dairy Supervisor | Meredith, R. B., C.I.S. (C.) |
| Dairy Inspector | Burdess, G., C.I.S., (C) |
| Stenographer, Sr..... | Derbyshire, Miss K. D. |
| Stenographer..... | Craig, Miss I. |
| Stenographer..... | Hansch, Miss P. |
| Clerk..... | Lang, Miss F. |

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WHOOPING COUGH MORBIDITY

Edmonton, 1931-1949



This disease has been characterized by a high peak of incidence every third year until Sauer-type vaccine was introduced in 1942. Since that time these peaks are markedly lowered and are farther apart. This has occurred during a period of rapid increase and overcrowding in our population.

Annual Report of the Medical Officer of Health

Chairman and Members,
Local Board of Health,
Edmonton, Alberta.

Gentlemen:

Herewith is submitted a report of the activities of our Board and certain other health agencies of the city during 1949:

BIRTHS:

Our birth rate per 1,000 population showed a slight decrease to 30.8 but the total of 4,246 births, due to an increasing population, is the greatest ever reached and was an increase of 308 from the previous year. A further 2,268 births to non-residents serves to indicate the considerable outside area to which our city hospitals are providing service.

DEATHS:

The general death rate at 7 per 1,000 population was the lowest since 1939. The two greatest causes of death—heart disease and cancer—both showed a reduced rate.

The infant mortality rate of 23.3 per 1,000 living births was the lowest ever recorded in our city. However, this still meant 99 infant deaths.. Of these, 37 per cent were due to prematurity. Many of these latter deaths may be avoided if expectant mothers seek adequate pre-natal care.

COMMUNICABLE DISEASES:

Serious communicable disease was at a minimum during the year. Two cases of diphtheria in unprotected children served to indicate the need for a persistent effort in prevention. Twenty-eight cases of poliomyelitis gave about the expected number following the extensive epidemic of the previous year. Whooping cough, which in recent years has been our most serious common infection, is giving way to immunization since an effective vaccine became available in 1942. Only three cases of this disease were reported during the year, with no deaths.

Our Baby and Pre-school Clinic continued a valuable service in supervision of infant feeding and physical development of children, and 2,757 home visits were made in connection with special problems. Appreciation of this service was indicated by an increase of 1,885 in attendance to a total of 15,272 for the year.

Our Immunization Clinic is now providing protection against various diseases for a high percentage of the babies and pre-school children of our city. An attendance of 24,811 was an increase of 6,634 over the previous year.

We believe that these clinics are in good part responsible for the very low infant mortality rate in our city.

SANITATION

Our rapidly increasing population and still crowded dwelling accommodation continues to produce many new problems in sanitation. Lack of moderately priced living space still forces us to tolerate accommodation which is no longer desirable. This is a major source of trouble and worry for many of our citizens, particularly those with children.

Sanitation of restaurants, stores and other food-handling establishments has continued to improve. Our inspectors have done much useful educational work in this connection, and their efforts are producing good results.

Sanitary supervision of our milk supply has been carefully carried out on dairy farms, in milk plants and wagons, and in our laboratory. Samples

tested for purity numbered 14,804. Ninety-nine and one-half per cent of our city milk is now safeguarded by pasteurization.

The city water supply was checked for contamination daily, and also the water of swimming pools when these were in operation.

All animals slaughtered in the two non-exporting abattoirs were inspected by our veterinarian who condemned 31,640 pounds of diseased meats.

GENERAL:

We have reached the stage in the development of our city when to maintain adequate public health protection our services must be re-organized and expanded.

Our clinics are operating close to the capacity possible in the present restricted space. These services should be decentralized for the convenience of mothers in outlying areas of our city.

The majority of larger cities across Canada have found it more economical and efficient to consolidate as far as possible the public health services for which the city is responsible. This includes both Board of Health and School Medical Services. Duplication of effort and cost is avoided, and continuity in health supervision of children at all ages is made possible. It would seem rational and most effective at this time to develop our public health services as a co-ordinated whole, rather than as piecemeal projects.

The rapid expansion demanded of civic services generally confronts our municipality with very formidable expenditures in the immediate future; but unless protective health services keep pace with our growing and increasingly concentrated population, a dangerous hazard to the public health will be created.

In view of the unprecedented and difficult situation facing our city, it was to be expected that the Provincial Government would accord our citizens the same assistance in public health protection as is currently given other areas of the province, and that a fair portion of the Dominion Government Grants, distributed through the Provincial Government, would be made available to us. Our request for such assistance has been refused, however, chiefly on the ground that the city has the ability to pay for its own services. This reasoning applies with perhaps even greater force to other areas presently being assisted by the Provincial Government, and also to the provincial services themselves. It is difficult, therefore, to understand the reluctance to provide this urgently needed assistance for our city health services.

To meet the present rapidly increasing demand for preventive health services in our city, without outside assistance, it will be necessary for our Board to request Council to increase substantially the portion of the City's revenue now allocated for this purpose.

Respectfully submitted,

G. M. LITTLE,

MEDICAL OFFICER OF HEALTH

EXPENDITURE

| | | 1948 | 1947 |
|------|--------------------------------------|--------------|--------------|
| 1. | Salaries | \$ 56,385.26 | \$ 55,758.72 |
| 2. | Supplies | 1,804.88 | 1,518.28 |
| 3. | Transportation | 5,491.88 | 5,702.17 |
| 4/6. | Telephones, Sundries, Uniforms | 1,859.52 | 1,849.79 |
| 7. | Pensions | 5,858.10 | 4,579.93 |
| | | <hr/> | <hr/> |
| | | \$ 71,389.72 | \$ 69,408.89 |

REVENUE

| | | | |
|---------------------|-------------|--------------|--------------|
| Permits | \$ 412.50 | | |
| Meat Inspection | 802.40 | | |
| Prov. Govt. Grant | 2,500.00 | | |
| License Dept. | 1,500.00 | | |
| | <hr/> | | |
| | \$ 5,214.00 | 5,214.90 | 5,328.74 |
| | | <hr/> | <hr/> |
| Cost per Capita .41 | | \$ 66,174.82 | \$ 64,080.14 |

EXPENDITURE CLASSIFIED—1949

| | Administration | Communicable Disease | Dairy Inspection | Food Inspection | Laboratory Service | Public Health Nursing | Sanitation | Vital Statistics | Bath House | TOTALS |
|------------------------|----------------|-------------------------|---------------------|--------------------|-----------------------|--------------------------|--------------|---------------------|------------|--------------|
| 1. Salaries | \$ 9,602.88 | \$ 5,296.26 | \$ 2,243.73 | \$ 4,256.20 | \$ 3,268.77 | \$ 10,649.39 | \$ 19,950.93 | \$ 1,027.19 | \$ 89.91 | \$ 56,385.26 |
| 2. Supplies | 1,112.12 | 176.25 | ..... | ..... | 83.77 | 133.11 | 129.75 | 33.75 | 136.21 | 1,804.96 |
| 3. Transportation | 480.00 | 799.24 | 1,076.67 | 300.00 | 466.55 | 605.70 | 1,763.72 | ..... | ..... | 5,491.88 |
| 4. Telephones | 116.20 | 65.76 | 18.00 | 17.76 | 20.64 | 55.56 | 82.20 | ..... | ..... | 376.12 |
| 5. Sundries | 420.85 | 254.14 | 27.80 | 5.75 | 19.90 | 482.96 | 36.60 | ..... | ..... | 1,248.00 |
| 6. Uniforms ..... | ..... | ..... | ..... | ..... | ..... | 117.39 | 118.01 | ..... | ..... | 235.40 |
| 7. Pensions | 5,848.10 | ..... | ..... | ..... | ..... | ..... | ..... | ..... | ..... | 5,848.10 |
| | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> | <hr/> |
| | \$17,580.15 | \$6,591.65 | \$3,366.20 | \$4,579.71 | \$3,859.63 | \$12,044.11 | \$22,081.21 | \$1,060.94 | \$226.12 | \$71,389.72 |
| | 24.7 % | 9.1 % | 4.7 % | 6.4 % | 5.5 % | 16.9 % | 31.0 % | 1.4 % | .3 % | 100 % |

SUMMARY OF STATISTICS

Area of City, 26,778 acres including 1,000 acres of water and 2,147 acres in Parks.

| | 1949 | 1948 | 1947 | 1946 | 1945 |
|---------------------------------------|---------|---------|---------|---------|---------|
| Population..... | 137,469 | 126,609 | 118,541 | 114,976 | 111,745 |
| Persons per acre of land..... | 5.0 | 4.7 | 4.4 | 4.2 | 4.1 |
| Cost per capita..... | .41 | .51 | .45 | .44 | .41 |
| School enrolment | 21,452 | 19,859 | 19,071 | 18,988 | 17,714 |
| Natural increase of population | 3,282 | 2,935 | 2,920 | 2,283 | 1,831 |
| Total births | 6,514 | 5,928 | 6,019 | 5,455 | 4,725 |
| Resident births only | 4,246 | 3,938 | 3,838 | 3,251 | 2,695 |
| Rate per 1,000 population | 30.8 | 31.1 | 32.3 | 28.2 | 24.1 |
| Total stillbirths | 97 | 90 | 109 | 82 | 83 |
| Resident stillbirths only | 57 | 54 | 62 | 51 | 53 |
| Rate per 1,000 births | 13.4 | 13.7 | 16.1 | 15.7 | 19.6 |
| Total deaths | 1,566 | 1,609 | 1,482 | 1,576 | 1,425 |
| Resident deaths only | 964 | 1,003 | 918 | 968 | 864 |
| Rate per 1,000 population | 7.0 | 7.9 | 7.7 | 8.4 | 7.7 |
| Total deaths under 1 year of age..... | 161 | 204 | 201 | 197 | 159 |
| Resident deaths under 1 year of age.. | 99 | 126 | 123 | 111 | 84 |
| Rate per 1,000 living births | 23.3 | 31.9 | 32.0 | 34.1 | 31.1 |
| Maternal deaths (city only)..... | 2 | 1 | 1 | 5 | 6 |
| Rate per 1,000 births | .47 | .25 | .27 | 1.5 | 2.2 |
| Marriages | 2,539 | 2,490 | 2,374 | 2,205 | 2,098 |
| Rate per 1,000 population..... | 18.4 | 19.6 | 20.02 | 19.1 | 17.4 |

VITAL STATISTICS

Births

| | 1949 | 1948 | 1947 |
|---------------------------------|-------------|-------------|-------------|
| Total births | 6,514 | 5,928 | 6,019 |
| Resident births only | 4,246 | 3,938 | 3,838 |
| Male | 2,197 | 2,121 | 2,008 |
| Female | 2,049 | 1,817 | 1,830 |
| Double births | 44 | 42 | 39 |
| Resident illegitimate births .. | 211 | 188 | 145 |
| Total illegitimate births .. | 441 | 436 | 373 |
| Age group of mothers— | | | |
| 15-19 years | 249—5.9% | 241—6.2% | 192—5.0% |
| 20-24 years | 1,332—31.2% | 1,239—31.0% | 1,251—32.6% |
| 25-29 years | 1,426—33.6% | 1,317—34.1% | 1,240—32.3% |
| 30-34 years | 813—19.2% | 745—18.9% | 763—19.9% |
| Over 34 years | 426—10.1% | 386—9.8% | 392—10.2% |

Born in Institutions, 4,239 or 99.8%—born elsewhere, 7.

Maternal Parentage:

| | 1949 | 1948 | 1947 |
|-----------------------|-------------|-------------|-------------|
| Canada | 3,759—88.5% | 3,463—87.9% | 3,095—84.4% |
| British Isles | 245—5.6% | 290—7.4% | 473—13.2% |
| Europe and Asia | 146—3.5% | 114—3.0% | 161—4.2% |
| U.S.A. | 87—2.1% | 62—1.5% | 92—2.3% |
| Other countries | 9—.3% | 9—.2% | 17—.4% |

Stillbirths

| | 1949 | 1948 | 1947 |
|----------------------------|------|------|------|
| Total stillbirths | 97 | 90 | 109 |
| Resident only | 57 | 54 | 62 |
| Male | 31 | 30 | 31 |
| Female | 26 | 24 | 31 |
| Born in institutions | 57 | 54 | 62 |
| Cause of Foetal deaths: | | | |
| Dystocia | 21 | 13 | 23 |
| Prematurity | 6 | 8 | 6 |
| Toxaemia of pregnancy .. | 1 | 7 | 5 |
| Malformation | 13 | 8 | 9 |
| Placenta and membranes .. | 9 | 6 | 8 |
| Traumatism and overwork .. | .... | .... | 1 |
| Syphilis ..... | .... | 1 | .... |
| Other conditions | 7 | 11 | 10 |

Deaths

| | 1949 | 1948 | 1947 |
|---------------------------------|-------|-------|-------|
| Total deaths | 1,556 | 1,609 | 1,482 |
| Resident deaths only | 964 | 1,003 | 918 |
| Male | 580 | 600 | 553 |
| Female | 384 | 403 | 365 |
| Rate per 1,000 population | 7.0 | 7.9 | 7.7 |

Racial Origin

| | 1949 | 1948 | 1947 |
|-----------------------|-----------|-----------|-----------|
| Canada | 295—30.6% | 282—28.1% | 279—30.4% |
| British Isles | 346—35.9% | 399—38.8% | 355—38.6% |
| Europe and Asia | 180—18.6% | 197—19.7% | 196—21.4% |
| U.S.A. | 54—5.6% | 65—6.6% | 40—4.4% |
| Others | 88—9.3% | 60—5.8% | 48—5.2% |

INFANT MORTALITY

| | 1949 | 1948 | 1947 |
|---|------|------|------|
| Total deaths under 1 year | 161 | 204 | 201 |
| Resident deaths under 1 year | 99 | 126 | 123 |
| Male | 50 | 80 | 72 |
| Female | 49 | 46 | 51 |
| Infant mortality rate per 1,000 births | 23.3 | 31.9 | 32.0 |

LOCAL BOARD OF HEALTH

INFANT MORTALITY, 1949
BY MONTH
SEX

BY AGE

| | TOTAL | Male | Female | January | February | March | April | May | June | July | August | September | October | November | December | 1st Day | 1st Week | 2nd Week | 3rd Week | 4th Week | Total Under 1 Month | 1-3 Months | 4-6 Months | 7-9 Months | 10-12 Months |
|--|-------|------|--------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|---------|----------|----------|----------|----------|---------------------|------------|------------|------------|--------------|
| 13b—Pulmonary Tuberculosis | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 33b—Influenza | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 35—Measles | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 44c—Mumps | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 74a—Leukemia | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 81a—Simple Meningitis | 3 | 1 | 2 | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 2 | 1 |
| 84a—Mental deficiency | 1 | 1 | 1 | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 107—Broncho pneumonia | 9 | 4 | 5 | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 108—Lobar pneumonia | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 114—Other and unspecified diseases of respiratory system | 3 | 1 | 3 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 118—Other diseases of stomach | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 119a—Diarrhea and enteritis | 5 | 1 | 4 | 1 | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 122a—Hernia (Diaphragmatic) | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 122b—Intestinal obstruction | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 157a—Congenital Hydrocephalus | 2 | 2 | 2 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 157b—Meningocele | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 157e—Congenital heart | 5 | 5 | 5 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 157g—Congenital malformation of digestive system | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 157h—Congenital kidney | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 157m—Other and unspecified congenital malformations | 2 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 159—Prematurity | 37 | 20 | 17 | 1 | 1 | 5 | 7 | 3 | 1 | 2 | 5 | 4 | 1 | 2 | 5 | 19 | 14 | 1 | 1 | 1 | 36 | 1 | 1 | 1 | 1 |
| 160a—Intracranial or spinal hemorrhage | 5 | 3 | 2 | | | | | | | | | | | | | | | | | | 3 | 3 | 3 | 3 | 3 |
| 160c—Other injuries at birth | 6 | 3 | 3 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 161a—Atelectasis | 4 | 1 | 3 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 161c—Other specified diseases peculiar to 1st year of life | 1 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| 195d—Accidental asphyxia | 2 | 1 | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 1 | 1 |
| TOTALS | 99 | 50 | 49 | 4 | 3 | 10 | 11 | 9 | 8 | 5 | 12 | 11 | 6 | 9 | 11 | 30 | 19 | 8 | 4 | 1 | 63 | 13 | 14 | 7 | 2 |

LOCAL BOARD OF HEALTH

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1949

LOCAL BOARD OF HEALTH

ABRIDGED INTERNATIONAL CLASSIFICATION OF CAUSES OF DEATH, 1949 (Continued)

| | Total | M | F | Under 1 | 2 | 3 | 4 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
|--|-------|-----|-----|---------|----|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----|
| 27. Pneumonia and bronchopneumonia..... | M | 47 | 27 | 20 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 4 | 2 | 3 | 1 | 1 | 4 | 1 | 1 | 1 | 1 | 1 |
| 28. Other diseases of respiratory system | M | 17 | 10 | 7 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| 29. Diarrhea and enteritis | M | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 30. Appendicitis | M | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 31. Diseases of liver and biliary passages | M | 18 | 13 | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 1 | 3 | 1 | 3 | 1 | 1 | 1 | 1 | 1 |
| 32. Other diseases of digestive system | M | 17 | 13 | 3 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 33. Nephritis | M | 20 | 12 | 8 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 34. Other diseases of urinary and genital system | M | 21 | 16 | 5 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 35. Puerperal infection | M | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 37. Diseases of skin, cellular tissue, bones, and organs of movement | M | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 38. Congenital malformations, debility, prematurity birth, diseases peculiar to the first year of life | M | 68 | 38 | 30 | 28 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 39. Senility, old age | M | 16 | 9 | 7 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 40. Suicide | M | 10 | 6 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 41. Homicide | M | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 42. Automobile accidents | M | 20 | 16 | 4 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 43. Other violent or accidental deaths | M | 39 | 31 | 8 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 44. Causes of death ill-defined, unknown, unspecified | M | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Deaths | M | 580 | 384 | 49 | 50 | 3 | 2 | 2 | 2 | 6 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Total Deaths | F | 384 | 384 | 49 | 49 | 4 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |

LOCAL BOARD OF HEALTH

PRINCIPAL CAUSES OF DEATH, 1949

| | | | | Total | Male | Female | % of Total Deaths | Rate per 100M Population | | | | % of Total Deaths | Rate per 100M Population |
|---------|--|-----|-----|-------|------|--------|-------------------|--------------------------|-----|------|-------|-------------------|--------------------------|
| | | | | | | | | | | | | | |
| 90—95 | Diseases of the heart | 287 | 183 | 104 | 29.7 | 208.7 | 291 | 191 | 100 | 29.0 | 238.5 | | |
| 45—55 | Cancer and other malignant tumors | 159 | 91 | 68 | 16.4 | 115.6 | 160 | 87 | 73 | 15.9 | 126.3 | | |
| 83 | Intracranial lesions of vascular origin | 101 | 50 | 51 | 12.5 | 74.1 | 113 | 54 | 59 | 11.1 | 89.2 | | |
| 163—198 | External causes | 73 | 57 | 16 | 7.4 | 53.0 | 57 | 40 | 17 | 5.6 | 45.8 | | |
| 157—161 | Congenital debility, premature birth, diseases peculiar to 1st year of life..... | 68 | 38 | 30 | 7.0 | 49.4 | 87 | 55 | 32 | 8.6 | 60.8 | | |
| 107—108 | Pneumonia, bronchopneumonia.. | 47 | 27 | 20 | 4.8 | 41.4 | 48 | 29 | 19 | 4.7 | 38.7 | | |
| 13—22 | Tuberculosis, all forms | 25 | 20 | 5 | 2.5 | 18.1 | 23 | 18 | 15 | 2.2 | 26.0 | | |
| 130—132 | Nephritis | 20 | 12 | 8 | 2.1 | 14.5 | 17 | 8 | 9 | 1.6 | 13.4 | | |
| 162 | Senility | 16 | 9 | 7 | 1.6 | 11.6 | 6 | 2 | 4 | .6 | 4.7 | | |
| 61 | Diabetes Mellitus | 11 | 4 | 7 | 1.1 | 8.0 | 8 | 2 | 6 | .7 | 6.3 | | |
| | | 807 | 491 | 316 | 83.6 | | | 820 | 486 | 334 | 81.7 | | |

MORTALITY FROM HEART DISEASE

| Year | Total Deaths | Deaths From Heart Disease | Percentage of Total Deaths | Rate per 100M Population |
|-----------|--------------|---------------------------|----------------------------|--------------------------|
| 1949..... | 964 | 287 | 29.7 | 208.7 |
| 1948..... | 1003 | 291 | 29.0 | 238.5 |
| 1947..... | 918 | 260 | 25.9 | 219.3 |
| 1946..... | 968 | 262 | 27.0 | 227.8 |
| 1945..... | 864 | 232 | 26.8 | 207.6 |

MORTALITY FROM CANCER

| Year | Total Deaths | Deaths From Cancer | Percentage of Total Deaths | Rate per 100M Population |
|-----------|--------------|--------------------|----------------------------|--------------------------|
| 1949..... | 964 | 159 | 16.4 | 115.6 |
| 1948..... | 1003 | 160 | 15.9 | 126.3 |
| 1947..... | 918 | 143 | 15.5 | 120.6 |
| 1946..... | 968 | 146 | 15.1 | 126.9 |
| 1945..... | 864 | 148 | 17.1 | 132.4 |

MORTALITY FROM INTRACRANIAL LESIONS OF VASCULAR ORIGIN

| Year | Total Deaths | Deaths From This Cause | Percentage of Total Deaths | Rate per 100M Population |
|-----------|--------------|------------------------|----------------------------|--------------------------|
| 1949..... | 964 | 101 | 12.5 | 74.1 |
| 1948..... | 1003 | 113 | 11.1 | 89.2 |
| 1947..... | 918 | 85 | 9.2 | 71.7 |
| 1946..... | 968 | 97 | 10.0 | 84.3 |
| 1945..... | 864 | 93 | 10.7 | 83.2 |

MORTALITY FROM TUBERCULOSIS

| Year | Total Deaths | Deaths From Tuberculosis | Percentage of Total Deaths | Rate per 100M Population |
|-----------|--------------|--------------------------|----------------------------|--------------------------|
| 1949..... | 964 | 25 | 2.5 | 18.1 |
| 1948..... | 1003 | 33 | 3.2 | 26.0 |
| 1947..... | 918 | 28 | 3.0 | 23.6 |
| 1946..... | 968 | 30 | 3.0 | 26.0 |
| 1945..... | 864 | 28 | 3.2 | 25.0 |

MORTALITY FROM PNEUMONIA

| Year | Total Deaths | Deaths From Pneumonia | Percentage of Total Deaths | Rate per 100M Population |
|-----------|--------------|-----------------------|----------------------------|--------------------------|
| 1949..... | 964 | 47 | 4.8 | 41.4 |
| 1948..... | 1003 | 48 | 4.7 | 38.7 |
| 1947..... | 918 | 56 | 6.1 | 47.2 |
| 1946..... | 968 | 49 | 5.0 | 42.6 |
| 1945..... | 864 | 43 | 4.9 | 39.3 |

MORTALITY FROM EXTERNAL CAUSES

| Year | Total Deaths | Deaths From External Causes | Male | Female | Suicide | Homicide | Automobile Accidents | Other Accidents | Percentage of Deaths | Rate Per 100M Population |
|------|--------------|-----------------------------|------|--------|---------|----------|----------------------|-----------------|----------------------|--------------------------|
| 1949 | 964 | 73 | 57 | 16 | 10 | 3 | 20 | 40 | 7.4 | 53.0 |
| 1948 | 1003 | 57 | 40 | 17 | 6 | ... | 17 | 34 | 5.6 | 45.8 |
| 1947 | 918 | 56 | 46 | 10 | 8 | ... | 17 | 31 | 6.1 | 47.2 |
| 1946 | 968 | 83 | 64 | 19 | 25 | 1 | 17 | 40 | 8.3 | 72.2 |
| 1945 | 864 | 59 | 42 | 17 | 9 | ... | 11 | 39 | 6.8 | 52.8 |

ISOLATION HOSPITAL

During the year 1949, six hundred and seven patients were admitted. There were 17 outpatients and 12 patients died.

| | | | |
|----------------------------|-----|------------------|-----|
| Scarlet Fever | 111 | Measles | 119 |
| Diphtheria | 15 | Mumps | 20 |
| Diphtheria carriers | 5 | Rubella | 16 |
| Poliomyelitis | 52 | Whooping cough | 6 |
| Meningitis (meningococcic) | 7 | Vincent's Angina | 10 |
| Meningitis (tuberculosis) | 3 | Strep. Throat | 20 |
| Tuberculosis | 13 | Ringworm | 10 |
| Paratyphoid fever | 1 | Syphilis | 4 |
| Erysipelas | 22 | Gonorrhoea | 8 |
| Chickenpox | 11 | Vaginitis | 1 |
| The deaths included: | | Other diseases | 150 |
| Diphtheria | 3 | Tuberculosis | 1 |
| Meningitis (T.B.) | 3 | Septicemia | 1 |
| Measles | 1 | Others | 2 |
| Whooping cough | 1 | | |

IMMUNIZATION RECORD—1949

| | Board of Health | Edmonton Public School Board | Edmonton Separate School Board | Private Physicians |
|---------------------------|-----------------|------------------------------|--------------------------------|--------------------|
| Diphtheria | | | | |
| 1st Dose | 3,708 | 1,619 | 243 | 690 |
| Re-inforcing Doses | 686 | 4,248 | ... | ... |
| Total Doses | 14,199 | 8,303 | 243 | ... |
| Whooping Cough | | | | |
| 1st Dose | 3,456 | 829 | ... | 537 |
| Reinforcing Dose | 2,261 | 170 | ... | ... |
| Total Doses | 15,078 | 2,088 | ... | ... |
| Scarlet Fever | | | | |
| 1st Dose | 603 | ... | ... | 21 |
| Reinforcing Dose | 320 | ... | ... | ... |
| Total Doses | 2,932 | ... | ... | ... |
| Smallpox | 2,715 | 3,142 | 248 | 1,000 |
| Typhoid | | | | |
| 1st Dose | 140 | ... | ... | 33 |
| Reinforcing dose | ... | ... | ... | ... |
| Total Doses | 422 | ... | ... | ... |
| Tetanus | | | | |
| 1st Dose | 75 | ... | ... | 16 |
| Total Doses | 247 | ... | ... | ... |
| T.A.B.T. | | | | |
| 1st Dose | 58 | ... | ... | 7 |
| Total Doses | 173 | ... | ... | ... |
| Typhus | | | | |
| 1st Dose | 5 | ... | ... | ... |
| Total Doses | 10 | ... | ... | ... |
| Cholera | | | | |
| 1st Dose | 1 | ... | ... | ... |
| Total Doses | 2 | ... | ... | ... |
| Dick Test | 157 | ... | ... | 17 |
| Schick Test | 102 | ... | ... | 1 |
| Anti-Measles Serum | ... | ... | ... | 3 |

IMMUNIZATION CLINIC

| | |
|--|--------|
| No. of persons receiving first doses | 10,703 |
| No. of persons receiving reinforcing doses | 2,949 |
| Total procedures | 37,910 |
| Attendance | 24,811 |
| No. of clinics held | 249 |
| Average attendance | 99.6 |

SCHOOL MEDICAL SERVICES

| | Public School Board | R.C. Separate School Board |
|---------------------------------------|------------------------|-------------------------------|
| Complete examinations | 6,385 | 845 |
| Number reported with defects | 2,354 | 216 |
| Number reported without defects | 4,031 | 629 |
| Parents present at examinations | 3,701 | 411 |
| Homes visited by nurses | 593 | 179 |
| Talks to classes | 171 | --- |

COMMUNICABLE DISEASE 1949-1945

| | 1949 | | 1948 | | 1947 | | 1946 | | 1945 | |
|--|-------|-----|-----------|-----|-------|-----|-------|-----|-------|-----|
| | C | D | C | D | C | D | C | D | C | D |
| Chickenpox..... | 1,209 | ... | 927 | ... | 1,468 | ... | 934 | ... | 1,398 | ... |
| Diphtheria..... | 2 | 1 | 2 | ... | 6 | ... | 3 | ... | 2 | ... |
| Diphtheria carriers..... | 2 | ... | 12 | ... | 4 | ... | 4 | ... | 5 | ... |
| Dysentery (Amoebic)..... | 3 | ... | 2 | 1 | ... | ... | ... | ... | ... | ... |
| Dysentery (others)..... | ... | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Encephalitis..... | ... | ... | ... | ... | 3 | 1 | 4 | 2 | ... | 1 |
| Erysipelas..... | 17 | ... | 22 | ... | 17 | ... | 23 | ... | 19 | ... |
| Food Poisoning..... | 5 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Influenza..... | ... | 3 | ... | ... | ... | 2 | ... | 6 | ... | 2 |
| Hepatitis (infectious)..... | 1 | ... | ... | ... | 1 | ... | ... | ... | ... | ... |
| Mononucleosis (infectious)..... | 5 | ... | ... | ... | 1 | ... | ... | ... | ... | ... |
| Malaria..... | 1 | ... | ... | ... | 3 | ... | ... | ... | ... | ... |
| Measles..... | 3,080 | 1 | 1,285 | ... | 925 | ... | 2,563 | 1 | 444 | ... |
| Meningitis (Meningococcic)..... | 5 | ... | 2 | 1 | 2 | ... | 4 | ... | 4 | ... |
| Mumps..... | 424 | 1 | 196 | 1 | 300 | ... | 1,378 | ... | 1,880 | ... |
| Paratyphoid..... | ... | ... | 7 | ... | 1 | ... | 1 | ... | ... | ... |
| Paratyphoid carrier..... | ... | ... | 1 | ... | ... | ... | ... | ... | ... | ... |
| Pneumonia (lobar)..... | ... | 6 | ... | 2 | ... | 5 | 1 | 8 | 2 | 15 |
| Ringworm (microsporon audouini)..... | 7 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Ringworm (others)..... | 4 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Rubella..... | 788 | ... | 118 | ... | 87 | ... | 183 | ... | 277 | ... |
| Poliomyelitis..... | 28 | ... | 88 | 6 | ... | ... | 8 | ... | ... | ... |
| Scarlet Fever..... | 121 | ... | 83 | ... | 79 | ... | 173 | ... | 374 | ... |
| Septic Sore Throat..... | 7 | ... | 2 | ... | 1 | ... | 2 | ... | 7 | ... |
| Trachoma..... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Tuberculosis (Pulmonary)..... | 91 | 23 | 140 | 26 | 98 | 20 | 78 | 20 | 64 | 26 |
| Tuberculosis (other forms)..... | 12 | 2 | ... | 7 | 5 | 8 | 2 | 10 | ... | 2 |
| Typhoid Fever..... | 1 | ... | 1 | ... | ... | ... | ... | ... | 2 | ... |
| Typhoid carriers..... | 1 | ... | ... | ... | ... | ... | ... | ... | ... | ... |
| Undulant Fever..... | 2 | ... | 1 | ... | 9 | ... | 2 | ... | 3 | ... |
| Vincent's Angina..... | 4 | ... | 9 | ... | 7 | ... | 7 | ... | 28 | 1 |
| Whooping Cough..... | 3 | ... | 364 | 2 | 628 | 2 | 92 | ... | 237 | ... |
| Venereal Disease— | | | | | | | | | | |
| Gonorrhoea..... | 703 | ... | 808 | ... | 666 | ... | 624 | ... | 479 | ... |
| G. C. Vaginitis..... | ... | ... | ... | ... | 8 | ... | 3 | ... | 12 | ... |
| Syphilis..... | 83 | 4 | 95 | 5 | 104 | 5 | 81 | 4 | 108 | 5 |
| Type Undetermined..... | ... | ... | 16 | ... | 4 | ... | 12 | ... | 5 | ... |
| | 6,590 | 41 | 4,181 | 51 | 4,423 | 48 | 6,201 | 51 | 5,341 | 53 |
| Morbidity per 1,000 population..... | 47.8 | | 33.0 | | 37.2 | | 53.9 | | 47.6 | |
| C—Cases. | | | D—Deaths. | | | | | | | |

Communicable disease was responsible for 41 of 4.2% of the 964 City deaths during 1949.

Of the deaths from communicable disease, 31 were over 19 years of age, 25 were due to all forms of Tuberculosis and 4 died from Syphilis.

3,080 or 46.7% of the communicable diseases were due to measles; 1,209 or 18.4% were due to Chickenpox; 768 or 11.5% were Rubella; 424 or 6.4% were Mumps and 121 or 1.8% were due to Scarlet Fever.

| | No. of Cases | Percent of Cases | No. of Deaths | Percent of Deaths |
|-------------------------------------|--------------|---------------------|------------------|----------------------|
| Pre-school cases—1 to 5 years | 1,997 | 30.3% | 9 | 22.0% |
| School cases—6 to 14 years | 3,245 | 49.0% | 1 | 2.4% |
| Over 14 | 1,132 | 18.6% | 31 | 75.6% |
| Age not stated | 216 | 3.1% | ... | ... |

LOCAL BOARD OF HEALTH

13

COMMUNICABLE DISEASE BY AGE, 1949

| | City Cases | Male | Female | Under 1 | 1/4 | 5/14 | 15/19 | Over 20 | Not Stated | Non- resident |
|---------------------------------|---------------|------|--------|------------|------|------|-------|------------|---------------|------------------|
| Chickenpox | 1,209 | 597 | 612 | 59 | 373 | 681 | 19 | 37 | 40 | 7 |
| Diphtheria | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| Diphtheria Carriers | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 8 |
| Dysentery (Amoebic) | 3 | 2 | 1 | 1 | 3 | 3 | 1 | 1 | 1 | 1 |
| Dysentery (others) | | | | | | | | | | 10 |
| Erysipelas | 17 | 7 | 10 | 2 | 1 | 1 | 1 | 16 | 3 | 3 |
| Food Poisoning | 5 | 3 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 1 |
| Infectious Hepatitis | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Infectious Mononucleosis | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Malaria | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Measles | 3080 | 1483 | 1597 | 111 | 1144 | 1677 | 45 | 56 | 47 | 51 |
| Meningitis (mening.) | 5 | 3 | 2 | 3 | 1 | 1 | 1 | 1 | 2 | 2 |
| Mumps | 424 | 228 | 196 | 5 | 79 | 274 | 9 | 36 | 21 | 4 |
| Paratyphoid | 23 | 12 | 16 | 5 | 13 | 13 | 1 | 10 | 1 | 22 |
| Poliomyelitis | 7 | 6 | 1 | 2 | 5 | 5 | 2 | 19 | 19 | 6 |
| Ringworm (Microsporan audouini) | 4 | 2 | 2 | 2 | 4 | 4 | 4 | 4 | 2 | 22 |
| Ringworm (others) | 768 | 385 | 383 | 20 | 135 | 514 | 61 | 19 | 19 | 6 |
| Rubella | 121 | 59 | 62 | 1 | 46 | 65 | 4 | 4 | 2 | 22 |
| Scarlet Fever | 7 | 6 | 1 | 1 | 2 | 1 | 1 | 2 | 2 | 1 |
| Septic Sore Throat | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Trachoma | 91 | 45 | 46 | 2 | 2 | 2 | 1 | 3 | 47 | 39 |
| Tuberculosis (pulm.) | 12 | 5 | 7 | 1 | 1 | 1 | 1 | 1 | 11 | 13 |
| Tuberculosis (other forms) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Typhoid | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Typhoid Carriers | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |
| Undulant Fever | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 3 |
| Vincent's Angina | 4 | 1 | 3 | 1 | 1 | 2 | 1 | 1 | 1 | 1 |
| Whooping Cough | 3 | 1 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| Venereal Disease | | | | | | | | | | |
| Gonorrhoea | 703 | 472 | 231 | 1 | 3 | 72 | 611 | 16 | 16 | 16 |
| Syphilis | 83 | 42 | 41 | 1 | 1 | 6 | 61 | 14 | 14 | 14 |
| TOTALS | 6590 | 3369 | 3221 | 201 | 1796 | 3245 | 223 | 909 | 216 | 160 |
| DEATHS | | | | | | | | | | |
| Diphtheria | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Influenza | 3 | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 |
| Lobar Pneumonia | 6 | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 3 |
| Measles | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Mumps | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Syphilis | 4 | 3 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 4 |
| Tuberculosis (pulm.) | 23 | 18 | 5 | 1 | 1 | 1 | 1 | 1 | 22 | 22 |
| Tuberculosis (other forms) | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 |
| TOTALS | 41 | 30 | 11 | 7 | 2 | 1 | 1 | 31 | 31 | 31 |

LOCAL BOARD OF HEALTH

COMMUNICABLE DISEASE BY SEASON AND SEX. 1949

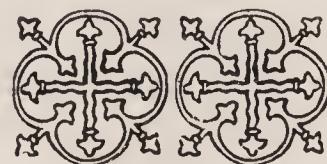
| | Non-resident Dec. Cases | | | | | | | | | | | | | | |
|---|----------------------------|-------------|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | City Cases | Male | Female | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. |
| Chickenpox..... | 1209 | 597 | 612 | 232 | 109 | 60 | 38 | 35 | 57 | 67 | 56 | 49 | 130 | 195 | 181 |
| Diphtheria Carriers..... | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Diphtheria (Amoebic)..... | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 |
| Dystentery (Amoebic)..... | 3 | 2 | 1 | 1 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | 8 |
| Erysipelas..... | 17 | 7 | 10 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 2 | 2 | 2 | 2 | 1 |
| Food Poisoning..... | 5 | 3 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | 3 |
| Infectious Hepatitis..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Infectious Mononucleosis..... | 5 | 5 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Malaria..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Measles..... | 1483 | 1597 | 483 | 684 | 485 | 353 | 316 | 246 | 100 | 37 | 17 | 44 | 107 | 208 | 51 |
| Meningitis (mening.)..... | 5 | 3 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Mumps..... | 424 | 228 | 196 | 38 | 33 | 42 | 11 | 19 | 12 | 9 | 5 | 8 | 50 | 63 | 34 |
| Paratyphoid..... | 28 | 12 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Poliomyelitis..... | 7 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ringworm (microsporan audouini)..... | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Ringworm (others)..... | 768 | 385 | 383 | 15 | 9 | 14 | 7 | 49 | 104 | 50 | 23 | 37 | 39 | 114 | 307 |
| Rubella..... | 121 | 59 | 62 | 7 | 11 | 10 | 11 | 8 | 6 | 2 | 7 | 7 | 9 | 19 | 24 |
| Scarlet Fever..... | 7 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Septic Sore Throat..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Trachoma..... | 91 | 45 | 46 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Tuberculosis (pulm.) (other forms)..... | 12 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| Typhoid..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Typhoid Carriers..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Undulant Fever..... | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Vincent's Angina..... | 4 | 1 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Whooping Cough..... | 3 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Venereal Disease..... | 703 | 472 | 231 | 49 | 52 | 46 | 44 | 51 | 52 | 42 | 61 | 61 | 90 | 67 | 73 |
| Gonorrhoea..... | 83 | 42 | 41 | 4 | 3 | 13 | 15 | 9 | 11 | 6 | 8 | 4 | 6 | 4 | 6 |
| Syphilis..... | | | | | | | | | | | | | | | |
| TOTALS..... | 6590 | 3369 | 3221 | 844 | 905 | 680 | 484 | 506 | 497 | 219 | 232 | 368 | 599 | 942 | 160 |
| DEATHS | | | | | | | | | | | | | | | |
| Diphtheria..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Influenza..... | 3 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 1 | 1 | 1 | 1 |
| Lobar Pneumonia..... | 6 | 6 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Measles..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Mumps..... | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Syphilis..... | 4 | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Tuberculosis (pulm.) (other forms)..... | 23 | 18 | 5 | 1 | 3 | 4 | 3 | 4 | 2 | 2 | 3 | 1 | 4 | 2 | 2 |
| Tuberculosis (other forms)..... | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| TOTALS..... | 41 | 30 | 11 | 1 | 4 | 5 | 2 | 4 | 6 | 4 | 3 | 3 | 6 | 3 | 3 |

TUBERCULOSIS CONTROL

| Kinsmen's Club Service: | 1949 | 1948 |
|-------------------------------|------|------|
| Total visits by Nurse | 1986 | 2585 |
| Visits to T.B. Cases | 610 | 709 |
| Visits to suspect cases | 123 | 125 |
| Visits to contact cases | 1102 | 1596 |
| Co-operative visits | 107 | 115 |
| Not seen, moved, etc. | 44 | 40 |

Provincial Tuberculosis Division:

| Examinations: | | |
|---------------------------------|------|-------|
| Active cases | 91 | 61 |
| Suspects | 164 | 123 |
| Contacts | 569 | 339 |
| Non-Contacts | 741 | 640 |
| Total examinations | 3891 | 3210 |
| Total X-rays | 3169 | 3420 |
| Tuberculin tests made | 1670 | 1703 |
| Tuberculin tests positive | 516 | 585 |
| Mobile X-ray clinic | | 61699 |



WELL BABY AND PRE-SCHOOL CLINIC

| | 1949 | 1948 | 1947 | 1946 | 1945 |
|------------------------------------|-------|-------|-------|------|------|
| Number of clinics | 249 | 232 | 240 | 200 | 200 |
| Attendance under 1 year of age .. | 10429 | 9594 | 10260 | .... | .... |
| Attendance over 1 year of age | 4833 | 3793 | 1690 | .... | .... |
| Total attendance | 15272 | 13387 | 11950 | 8167 | 7420 |
| Average attendance | 61 | 58 | 50 | 41 | 37 |
| New admissions under 1 year | 2768 | 2417 | 2564 | 1881 | 1523 |
| New admissions over 1 year | 829 | 784 | 611 | 328 | 281 |
| re-admissions | 121 | 123 | 109 | 97 | 91 |
| Referred to Family Doctor | 135 | 112 | 107 | 31 | 25 |
| Out-of-town cases | 356 | 335 | 225 | 153 | 166 |

Dr. Mildred Newell and Dr. Margaret Collins were in attendance at 82 clinics.

There were 2,757 home visits made. These were to feeding and other problem cases and to as many of the youngest new babies admitted, as possible. 3559 telephone calls in regard to feedings, etc., were answered.

On 176 days during the year students were present for observation. These were made up as follows:

24 B.Sc. and Public Health Nurses from the University of Alberta.

92 student nurses from the University Outdoor Clinic and Royal Alexandra Hospital.

41 medical students.

5 new staff members, Provincial Department of Health.



VICTORIAN ORDER OF NURSES

| | 1949 | 1948 | 1947 | 1946 | 1945 |
|-----------------------------------|------|------|------|------|------|
| Pre-natal visits | 165 | 295 | 171 | 198 | 422 |
| Obstetrical (nursing care) | 9 | 6 | 11 | 0 | 8 |
| Obstetrical (advice) | 1353 | 1470 | 1447 | 1333 | 1182 |
| Newborn (nursing care) | 559 | 711 | 754 | 657 | 559 |
| Newborn (health supervision) | 1576 | 1358 | 1303 | 1796 | 1654 |
| Pre-natal clinics ..... | .... | 50 | 50 | 59 | 51 |
| Total attendance | 391 | 550 | 528 | 577 | 768 |
| Average attendance ..... | .... | 11 | 10 | 12 | 15 |
| Mothers enrolled | 58 | 114 | 114 | 115 | 116 |

SANITATION

**INSPECTIONS:**

| | | |
|--|--------|-------|
| Dwellings | 423 | 771 |
| Hotels, lodging houses, apartment blocks | 260 | 218 |
| Schools, blocks, public buildings | 74 | 12 |
| Stores, business establishments | 98 | 86 |
| Food handling establishments | 6,600 | 5,562 |
| Garbage cans, etc. | 746 | 723 |
| Streets, lanes, yards, dumps, etc. | 326 | 398 |
| Miscellaneous | 1,930 | 1,738 |
| | <hr/> | <hr/> |
| | 10,457 | 9,508 |
| Re-inspections | 424 | 382 |

NOTICES:

| | | |
|---------------|-----|-------|
| Written | 381 | 281 |
| Verbal | 958 | 1,540 |
| Garbage | 180 | 311 |

COMPLAINTS:

| | | |
|---------------------------------------|-----|-----|
| Received from public | 639 | 609 |
| Justified | 576 | 543 |
| Received from other departments | 12 | 15 |
| Referred to other departments | 77 | 82 |

The complaints were made up as follows:

| | | |
|--------------------------------------|-----|-----|
| Garbage, streets, lanes, etc. | 232 | 218 |
| Vermin | 31 | 37 |
| Housing, plumbing and drainage | 250 | 243 |
| Food and drink | 53 | 49 |
| Miscellaneous | 73 | 63 |

LICENSES:

| | | |
|---|-------|-------|
| License applications investigated | 2,952 | 2,824 |
|---|-------|-------|

PLUMBING:

| | | |
|---|-------|-------|
| Sewer and water notices issued | 15 | 12 |
| Sewer and water installed, buildings removed, etc. | 14 | 22 |
| Extension of time granted | 9 | 29 |
| Plumbing permits issued | 2,990 | 1,928 |
| Plumbing permits issued for old buildings | 41 | 36 |
| Alterations to existing plumbing (fixtures) | 1,630 | 630 |
| Privies eliminated through installation of plumbing | 41 | 36 |
| Number of septic tanks installed | 19 | 14 |

DISINFESTING STATION:

| | | |
|----------------------------------|-------|-------|
| Baths | 3,401 | 3,182 |
| Verminous | ... | 6 |
| Scabies | 151 | 198 |
| Disinfested | 151 | 205 |
| No. of Men Washing Clothes | 2,497 | 2,419 |
| Units Washed | 7,491 | 7,257 |

SCAVENGING CLEAN-UP WORK

| | | |
|---|--------|--------|
| Refuse removed during Clean-up Week (cubic yards) | 12,624 | 10,360 |
|---|--------|--------|

ANIMALS, BARNS, STYES:

| | | |
|-----------------------|-----|-----|
| Cow owners | 247 | 305 |
| Hog owners | 78 | 83 |
| Goat owners | 23 | 23 |
| Fur farm owners | 76 | 86 |

FOOD:

| | | |
|--|--------|--------|
| Samples submitted to Provincial Laboratory | 15 | 20 |
| Foodstuffs condemned (lbs.) | 27,688 | 35,937 |

WATER:

| | | |
|---------------------------|-----|----|
| Water samples taken | 20 | 54 |
| Negative | 12 | 24 |
| *Positive | 8 | 29 |
| *Suspicious | ... | 1 |
| Wells chlorinated | 1 | 23 |
| Wells placarded | ... | 3 |
| Ice Samples | 1 | 5 |
| Rinse water samples | ... | 22 |

*—Wells condemned or further samples taken after chlorination.

HOUSING:

Inspections of 423 dwellings and 260 hotels, lodging houses, apartment blocks, etc., were made for vermin, overcrowding and other insanitary conditions and the necessary notices issued.

POISON GAS FUMIGATION:

Hydrocyanic acid gas eliminated vermin from ten establishments.

ENFORCEMENT OF REGULATIONS:

| | | |
|--|---|-----|
| Prosecutions | 1 | ... |
| Owner of house fined \$5.00 and costs or seven days for failing to maintain the plumbing system in good working order. | | |

FOOD INSPECTION

MEATS INSPECTED AND CONDEMNED

| | 1949 | 1948 | 1947 |
|---|--------|--------|--------|
| Beef | | | |
| No. of carcasses inspected | 2,763 | 3,026 | 3,942 |
| Carcasses condemned | 21 | 20 | 7 |
| Portions condemned | 234 | 253 | 385 |
| Weight (lbs.) of carcasses and portions condemned | 13,380 | 13,340 | 9,390 |
| Veal | | | |
| No. of carcasses inspected | 2,168 | 1,886 | 2,953 |
| Carcasses condemned | 4 | 10 | 4 |
| Portions condemned | 69 | 35 | 64 |
| Weight (lbs.) of carcasses and portions condemned | 1,955 | 2,440 | 1,690 |
| Mutton | | | |
| No. of carcasses inspected | 404 | 367 | 912 |
| Carcasses condemned | 9 | 8 | 9 |
| Portions condemned | 15 | 2 | 50 |
| Weight (lbs.) of carcasses and portions condemned | 645 | 430 | 650 |
| Pork | | | |
| No. of carcasses inspected | 2,798 | 2,831 | 5,699 |
| Carcasses condemned | 21 | 33 | 58 |
| Portions condemned | 834 | 760 | 1,965 |
| Weight (lbs.) of carcasses and portions condemned | 15,660 | 16,540 | 35,535 |
| Totals | | | |
| No. of carcasses inspected | 8,133 | 8,110 | 13,506 |
| Carcasses condemned | 55 | 71 | 78 |
| Portions condemned | 1,152 | 1,050 | 2,464 |
| Weight (lbs.) of carcasses and portions condemned | 31,720 | 32,750 | 47,265 |

CARCASSES FOUND TO BE INFECTED WITH T.B.

| | 1949 | 1948 | 1947 |
|----------------|-------|-------|-------|
| Beef | | | |
| Infected | 18 | 25 | 16 |
| Percent | .65 | .82 | .40 |
| Pork | | | |
| Infected | 556 | 515 | 1,128 |
| Percent | 19.83 | 18.20 | 19.77 |

CHIEF CAUSES OF CONDEMNATION, 1949

| Beef: | Carcasses | Portions | Weight Lbs. |
|--|-----------|----------|-------------|
| Abscess ..... | .... | 62 | 875 |
| Abscess multiple | 2 | .... | 725 |
| Actinomycosis | 1 | 95 | 2,265 |
| Bruised | 4 | 8 | 1,910 |
| Tuberculosis ..... | .... | 24 | 445 |
| Pneumonia | 6 | .... | 2,900 |
| Parasites ..... | .... | 20 | 220 |
| Emaciation | 3 | .... | 1,250 |
| Dying condition | 1 | .... | 550 |
| Peritonitis | 1 | .... | 450 |
| Gangrene | 1 | .... | 550 |
| Xanthosis | 1 | .... | 375 |
| Miscellaneous (mastitis, jaundice, congestion, adhesions) | 1 | 25 | 865 |
| | 21 | 234 | 13,380 |

Veal

| | | | |
|---|------|------|-------|
| Abscess ..... | .... | 24 | 275 |
| Actinomycosis ..... | .... | 15 | 225 |
| Parasites ..... | .... | 11 | 110 |
| Tuberculosis ..... | .... | 5 | 65 |
| Emaciation | 1 | .... | 225 |
| Pneumonia | 3 | .... | 850 |
| Miscellaneous (adhesions, jaundice, bruised, congestion) ..... | .... | 14 | 205 |
| | 4 | 69 | 1,955 |

Mutton

| | | | |
|--|---|------|-----|
| Abscess multiple | 3 | .... | 190 |
| Bruised | 1 | 2 | 120 |
| Emaciation | 2 | .... | 110 |
| Pneumonia | 2 | .... | 130 |
| Miscellaneous (parasites, peritonitis) | 1 | 13 | 95 |
| | 9 | 15 | 645 |

Pork

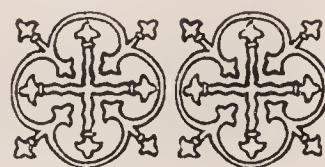
| | | | |
|---|------|------|--------|
| Abscess multiple | 6 | .... | 1,175 |
| Arthritis | 2 | .... | 325 |
| Bruised | 3 | 15 | 895 |
| Contamination ..... | .... | 52 | 870 |
| Parasites ..... | .... | 83 | 370 |
| Pneumonia | 1 | 2 | 425 |
| Tuberculosis | 6 | 614 | 10,075 |
| Miscellaneous (abscess, adhesions, peritonitis, sexual odor, enteritis, inf. rhinitis) | 3 | 68 | 1,525 |
| | 21 | 834 | 15,660 |

DISEASED ANIMALS

| | 1949 | 1948 | 1947 |
|--------------------------------------|--------|--------|--------|
| Beef | 221 | 245 | 329 |
| Veal | 62 | 38 | 63 |
| Mutton | 16 | 6 | 37 |
| Pork | 657 | 605 | 1,486 |
| Total amount of meat condemned | 31,640 | 32,750 | 47,265 |

FOODSTUFFS CONDEMNED BY INSPECTORS

| | | | |
|-----------------------------------|------------|------------|-----------|
| Canned goods | ... | 1 | 43 |
| Fruit and vegetables | 13 | 30,085 | .... |
| Meat | 185 | .... | 140 |
| Fish ..... | .... | 65 | .... |
| Poultry | 108 | 270 | 167 |
| Damaged by fire, flood, etc. | 27,334 | 5,502 | 1,789 |
| Sundries | 48 | 14 | 6 |
| Total (lbs.) | 27,688 | 35,937 | 2,145 |



MILK AND WATER, 1949

| | Total Premises | No. of Inspections |
|---|-------------------|-----------------------|
| Inspections: | | |
| Producer-distributors, raw milk | 2 | 25 |
| Producer-shippers, milk | 336 | 392 |
| Pasteurization plants | 4 | 165 |
| Vehicles | | 208 |
| Others, complaints, etc. | | 9 |
| Licenses and permits | | |
| Retail milk certificates issued | | 521 |
| Dairy licenses issued | | 376 |
| Dairy licenses refused | | 4 |
| Dairy licenses suspended temporarily | | 339 |
| Permits issued to cow keepers in the city | | 297 |
| Samples | | |
| Milk samples taken, retail | | 827 |
| Milk samples taken, shippers | | 14,804 |
| Cream samples taken | | 22 |
| Special milk samples | | 5 |
| Special cream samples | | 24 |
| Chocolate milk samples | | 82 |
| Ice cream samples | | 30 |
| TESTS—Milk | | |
| Standard plate counts | | 827 |
| Coliform tests | | 21 |
| Phosphatase tests | | 676 |
| Methylene blue tests | | 14,804 |
| Butter fat tests | | 384 |
| Sediment tests | | 408 |
| Restaurants | | |
| Swab tests of utensils | | 203 |
| Water | | |
| Standard plate counts | | 292 |
| Coliform tests | | 292 |
| Chlorine content checks | | 260 |
| Raw river water plate counts | | 29 |
| Swimming Pools | | |
| Plate counts | | 418 |
| Coliform tests | | 418 |

No. of producer-distributors of raw milk, two. The Edmonton milk supply is now 99.5 percent pasteurized.

Daily per capita milk consumption approximately .85 pints.

The swab tests noted above were taken, using the "Jamieson Technique" on restaurant utensils as educational work. The visual demonstrations have been well received by both the restaurant operators and employees. They have been instrumental in improving methods of handling and practical sterilization of utensils in our eating establishments.

